

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("514/183,19,601,613,631,649,,914").CCLS"	USPAT	OR	OFF	2004/12/10 16:15
L2	0	("514/183,19,601,613,631,649").CCLS"	USPAT	OR	OFF	2004/12/10 16:15
L3	0	("514/183,19,601,613,631").CCLS"	USPAT	OR	OFF	2004/12/10 16:15
L4	0	("514/183,19,601,613").CCLS"	USPAT	OR	OFF	2004/12/10 16:15
L5	0	("514/183,19,601").CCLS"	USPAT	OR	OFF	2004/12/10 16:16
L6	0	("514/183,19").CCLS"	USPAT	OR	OFF	2004/12/10 16:16
L7	2135	("514/183").CCLS"	USPAT	OR	OFF	2004/12/10 16:16
L8	64	17 and opiate	USPAT	OR	OFF	2004/12/10 16:16

vs. apply ccls to # 10801695

L Number	Hits	Search Text	DB	Time stamp
1	5928	("514/1,19,183,601,613,631,649").CCLS	USPAT	2004/02/16 08:21
2	904	("540/553,604,609").CCLS	USPAT	2004/02/16 08:22
3	103	((("514/1,19,183,601,613,631,649").CCLS) and (("540/553,604,609").CCLS)	USPAT	2004/02/16 08:22
4	1665	((("514/1,19,183,601,613,631,649").CCLS) and (("540/553,604,609").CCLS))	USPAT	2004/02/16 08:22
6	100457	and RF-amide neuropeptides (((("514/1,19,183,601,613,631,649").CCLS) and (("540/553,604,609").CCLS))	USPAT	2004/02/16 08:24
7	136	and RF-amide neuropeptides) and opiate dependence (((("514/1,19,183,601,613,631,649").CCLS) and (("540/553,604,609").CCLS))	USPAT	2004/02/16 08:24
8	73	and RF-amide neuropeptides) and nicotine (((("514/1,19,183,601,613,631,649").CCLS) and (("540/553,604,609").CCLS))	USPAT	2004/02/16 08:25
		and RF-amide neuropeptides) and opiate dependence)		

US. App. No. 10801695

10801695

12/10/04

L Number	Hits	Search Text	DB	Time stamp
1	6092	("514/183,1,19,601,613,631,649").CCLIS	USPAT	2004/06/21 08:32
2	9	((("514/183,1,19,601,613,631,649").CCLIS) and naphthalene	USPAT	2004/06/21 08:32
3	990	((("514/183,1,19,601,613,631,649").CCLIS) and piperazine	USPAT	2004/06/21 08:33
4	10	((("514/183,1,19,601,613,631,649").CCLIS) and piperazine) and piperazinone	USPAT	2004/06/21 08:33

US. App. 58 # 10801625  
 open 12/10/02

10801695 3/17/04  
10801685 3/17/04  
pctus0308820.18

Page 1

of date  
8/20  
1024  
12/10/04

Welcome to STN International! Enter x:x

LOGINID:sssptal611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 14 Nov 25 More calculated properties added to REGISTRY  
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NEWS 20 Feb 13 CANCERLIT is no longer being updated  
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Patel

<6/23/2003>  
12/19/04

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation  
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 43 Jun 06 PASCAL enhanced with additional data  
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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 11:57:46 ON 23 JUN 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:57:56 ON 23 JUN 2003

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STRUCTURE FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

DICTIONARY FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

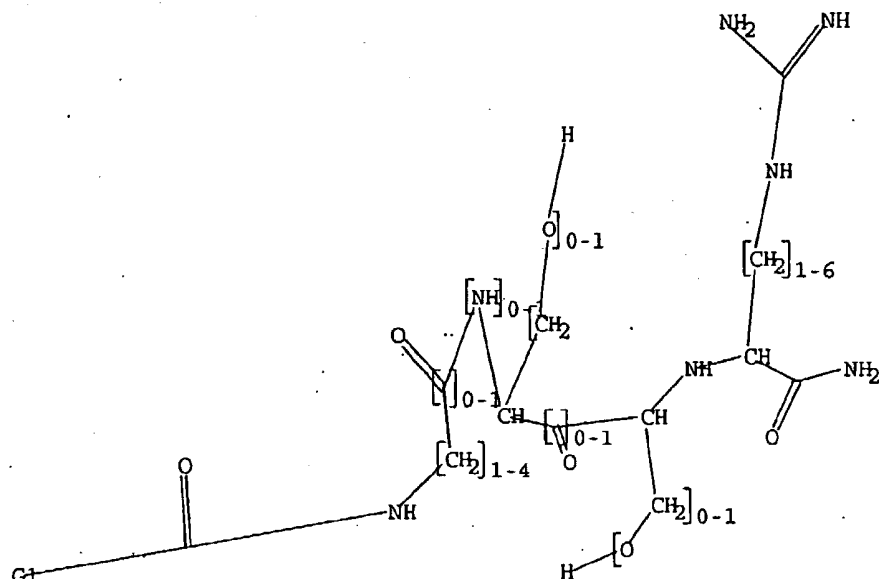
Uploading pctus0308820.21

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1  
 G1 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:58:22 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13350 TO ITERATE

7.5% PROCESSED 1000 ITERATIONS  
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
 SEARCH TIME: 00:00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 260086 TO 273914  
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 11:58:30 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 264388 TO ITERATE

100.0% PROCESSED 264388 ITERATIONS  
 SEARCH TIME: 00:00.23

0 ANSWERS

L3 0 SEA SSS FUL L1

Patel

6/23/2003

10801695 *6/24/04*  
4010900.1 Page 1

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/Capplus records now contain indexing from 1907 to the  
present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
NEWS 6 OCT 10 PCTFULL: Two new display fields added  
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
NEWS 11 DEC 08 IMS file names changed  
NEWS 12 DEC 09 Experimental property data collected by CAS now available  
in REGISTRY  
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/Capplus  
NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer  
available  
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS  
databases  
NEWS 18 DEC 22 IFIPAT/IFIUDE/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/Capplus  
NEWS 22 FEB 05 German (DE) application and patent publication number format  
changes  
  
NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003  
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FILE 'HOME' ENTERED AT 15:02:58 ON 14 FEB 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:03:07 ON 14 FEB 2004

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STRUCTURE FILE UPDATES: 12 FEB 2004 HIGHEST RN 649712-31-2

DICTIONARY FILE UPDATES: 12 FEB 2004 HIGHEST RN 649712-31-2

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading c:\program files\stnexp\queries\1010900.1

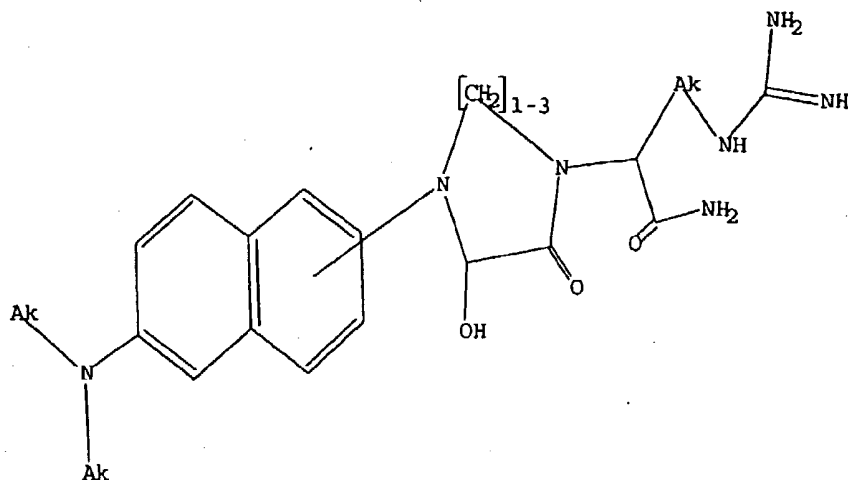
L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR





Structure attributes must be viewed using STN Express query preparation.

=> s ll sss full

FULL SEARCH INITIATED 15:03:33 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 35 TO ITERATE

100.0% PROCESSED 35 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=> file marpat

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'MARPAT' ENTERED AT 15:03:41 ON 14 FEB 2004

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FILE CONTENT: 1988-PRESENT (VOL 140 ISS 06) (20040206 ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6673954 06 JAN 2004

DE 10317295 08 JAN 2004

EP 1380632 14 JAN 2004

JP 2004014584 15 JAN 2004

WO 2004004674 15 JAN 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s ll sss full

Patel

<2/14/2004>

FULL SEARCH INITIATED 15:03:48 FILE 'MARPAT'  
FULL SCREEN SEARCH COMPLETED - 3280 TO ITERATE

100.0% PROCESSED 3280 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.13

L3 0 SEA SSS FUL L1

=> file caold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

109.42

265.05

FILE 'CAOLD' ENTERED AT 15:04:08 ON 14 FEB 2004  
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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s ll sss full

**REGISTRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 15:04:14 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 35 TO ITERATE

100.0% PROCESSED 35 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L1

L5 0 L4

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

421.31

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 12:08:32 ON 23 JUN 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:08:36 ON 23 JUN 2003

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STRUCTURE FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

DICTIONARY FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading pctus0308820.23

L1        STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1        STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:09:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -        55 TO ITERATE

100.0% PROCESSED        55 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*

BATCH    \*\*COMPLETE\*\*

PROJECTED ITERATIONS:        656 TO        1544

PROJECTED ANSWERS:                0 TO                0

L2                0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 12:09:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -        849 TO ITERATE

100.0% PROCESSED        849 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3                0 SEA SSS FUL L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.55

148.76

STN INTERNATIONAL LOGOFF AT 12:09:32 ON 23 JUN 2003

10801685 sfd 37/04

pctus0308820.18

Page 1

Welcome to STN International! Enter x:x

LOGINID:sssptal611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:11:51 ON 23 JUN 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:12:00 ON 23 JUN 2003

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STRUCTURE FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

DICTIONARY FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading pctus0308820.25

Patel

<6/23/2003>

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:12:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 61 TO ITERATE

100.0% PROCESSED 61 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 752 TO 1688

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 12:12:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 914 TO ITERATE

100.0% PROCESSED 914 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.36

STN INTERNATIONAL LOGOFF AT 12:12:40 ON 23 JUN 2003



527

MWO  
1080685  
EPD 3 11/04

Welcome to STN International! Enter x:x

LOGINID:esspta1611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 Jun 03 New e-mail delivery for search results now available  
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 14 Nov 25 More calculated properties added to REGISTRY  
NEWS 15 Dec 04 CSA files on STN  
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 17 Dec 17 TOXCENTER enhanced with additional content.  
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC  
NEWS 20 Feb 13 CANCERLIT is no longer being updated  
NEWS 21 Feb 24 METADEX enhancements  
NEWS 22 Feb 24 PCTGEN now available on STN  
NEWS 23 Feb 24 TEMA now available on STN  
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 25 Feb 26 PCTFULL now contains images  
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 27 Mar 20 EVENTLINE will be removed from STN  
NEWS 28 Mar 24 PATDPAPULL now available on STN  
NEWS 29 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 30 Apr 11 Display formats in DGENE enhanced  
NEWS 31 Apr 14 MEDLINE Reload  
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 33 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS  
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 35 Apr 28 RDISCLOSURE now available on STN  
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR  
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
NEWS 39 May 16 CHEMREACT will be removed from STN  
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation  
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 43 Jun 06 PASCAL enhanced with additional data  
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:12:22 ON 23 JUN 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 08:12:35 ON 23 JUN 2003

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STRUCTURE FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

DICTIONARY FILE UPDATES: 22 JUN 2003 HIGHEST RN 535920-83-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading pctus0308820.12

Patel

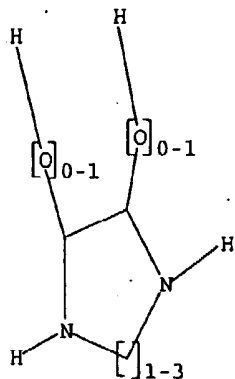
<6/23/2003>

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 08:12:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 112750 TO ITERATE

0.9% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

19 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*

PROJECTED ITERATIONS: EXCEEDS 1000000  
PROJECTED ANSWERS: EXCEEDS 40070

L2 19 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 08:13:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE

< 17.8% PROCESSED 400000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.07

4977 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*

PROJECTED ITERATIONS: EXCEEDS 1000000  
PROJECTED ANSWERS: EXCEEDS 27515

L3 4977 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

Patel

<6/23/2003>

	ENTRY	SESSION
FULL ESTIMATED COST	148.15	148.36

FILE 'CAPLUS' ENTERED AT 08:13:28 ON 23 JUN 2003  
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FILE COVERS 1907 - 23 Jun 2003 VOL 138 ISS 26  
FILE LAST UPDATED: 22 Jun 2003 (20030622/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 1004 L3

=> s 14 and NPFF

L5 0 L4 AND NPFF

=> s 14 and drug addiction

L6 0 L4 AND DRUG ADDICTION

=> s 14 and anti-opiate

L7 0 L4 AND ANTI-OPIATE

=> s 14 and nicotine addiction

L8 0 L4 AND NICOTINE ADDICTION

=> s 14 and obesity

L9 16 L4 AND OBESITY

=> s 14 and opiate

L10 0 L4 AND OPIATE

=> s 14 and abstinence syndrome

L11 0 L4 AND ABSTINENCE SYNDROME

=> s 14 and Rf-amide

L12 0 L4 AND RF-AMIDE

=> s 14 and RF-amide neuropeptide

L13 0 L4 AND RF-AMIDE NEUROPEPTIDE

=> s 14 and neuropeptide

L14 2 L4 AND NEUROPEPTIDE

=&gt; s l4 and CNS

L15 6 L4 AND CNS

=&gt; d his

(FILE 'HOME' ENTERED AT 08:12:22 ON 23 JUN 2003)

FILE 'REGISTRY' ENTERED AT 08:12:35 ON 23 JUN 2003

L1 STRUCTURE UPLOADED

L2 19 S L1

L3 4977 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:13:28 ON 23 JUN 2003

L4 1004 S L3

L5 0 S L4 AND NPFF

L6 0 S L4 AND DRUG ADDICTION

L7 0 S L4 AND ANTI-OPIATE

L8 0 S L4 AND NICOTINE ADDICTION

L9 16 S L4 AND OBESITY

L10 0 S L4 AND OPIATE

L11 0 S L4 AND ABSTINENCE SYNDROME

L12 0 S L4 AND RF-AMIDE

L13 0 S L4 AND RF-AMIDE NEUROPEPTIDE

L14 2 S L4 AND NEUROPEPTIDE

L15 6 S L4 AND CNS

=&gt; d 19 fbibhitstr abs total

'FBIBHITSTR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
 ALL ----- BIB, AB, IND, RE  
 APPS ----- AI, PRAI  
 BIB ----- AN, plus Bibliographic Data and PI table (default)  
 CAN ----- List of CA abstract numbers without answer numbers  
 CBIB ----- AN, plus Compressed Bibliographic Data  
 DALL ----- ALL, delimited (end of each field identified)  
 DMAX ----- MAX, delimited for post-processing  
 FAM ----- AN, PI and PRAI in table, plus Patent Family data  
 FBIB ----- AN, BIB, plus Patent FAM  
 IND ----- Indexing data  
 IPC ----- International Patent Classifications  
 MAX ----- ALL, plus Patent FAM, RE  
 PATS ----- PI, SO  
 SAM ----- CC, SX, TI, ST, IT  
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
 SCAN must be entered on the same line as the DISPLAY,  
 e.g., D SCAN or DISPLAY SCAN)  
 STD ----- BIB, IPC, and NCL  
  
 IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms

HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms

HITRN ----- HIT RN and its text modification

HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields

FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
its structure diagram

FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields

KWIC ----- Hit term plus 20 words on either side

OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):end

=> d 19 fbib hitstr abs total

L9 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2003 ACS

AN 2003:242332 CAPLUS

DN 138:255009

TI Preparation of purine derivatives as inhibitors of the enzyme DPP-IV

IN Kanstrup, Anders B.; Sams, Christian Klarner; Lundbeck, Jane Marie;  
Christiansen, Lise Brown; Bowler, Andrew Neil

PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 63 pp.

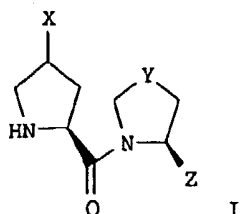
CODEN: PIXXD2

DT Patent

LA English

PAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024965	A2	20030327	WO 2002-DK608	20020919
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				



AB The title compds. [I; X = NR<sub>1</sub>R<sub>2</sub>, NR<sub>3</sub>COR<sub>4</sub>, NR<sub>5</sub>COR<sub>4</sub>, NR<sub>5</sub>CH<sub>2</sub>CH<sub>2</sub>NR<sub>6</sub>R<sub>7</sub>, NR<sub>8</sub>SO<sub>2</sub>R<sub>9</sub>, OR<sub>10</sub>, O<sub>2</sub>CR<sub>11</sub>; wherein R<sub>1</sub>, R<sub>2</sub> = H, alkyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl, or they are linked to each other to form a heterocyclyl contg. 1 or 2 N atoms or O which may be a spiro ring and is optionally fused to an (un)substituted arom. ring; R<sub>3</sub>, R<sub>4</sub> = H, alkyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, arylalkenyl, heteroaryl, heteroarylalkyl; R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> = H, alkyl, acyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, or heteroarylalkyl, or which is optionally fused to an (un)substituted arom. ring; R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub> = H, alkyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, or heteroarylalkyl] or pharmacol. acceptable salts thereof are prepd. These compds. are useful for the treatment of DPP-IV related diseases such as diabetes, obesity, HIV infection, cancer metastasis, skin diseases, prostatic hypertrophy (prostatomegaly), pericementitis, or autoimmune diseases. Thus, a soln. of 0.924 g (S)-1-[(2S,4S)-4-amino-1-tert-butoxycarbonyl-2-pyrrolidinylcarbonyl]-2-cyanopyrrolidine (prepn. given), 1.7 mL diisopropylethylamine, and 0.78 g 2-chloro-4-fluorobenzonitrile in 10 mL N-methyl-2-pyrrolidone were stirred at 80.degree. for 4 h to give 0.94 g (S)-1-[(2S,4S)-1-tert-butoxycarbonyl-4-(3-chloro-4-cyanophenyl)amino-2-pyrrolidinylcarbonyl]-2-cyanopyrrolidine which (0.93 g) was treated with HCl/EtOAc at room temp. for 15 h to give (S)-1-[(2S,4S)-4-(3-chloro-4-cyanophenyl)amino-2-pyrrolidinylcarbonyl]-2-cyanopyrrolidine hydrochloride (II). II showed IC<sub>50</sub> of 0.13 and 0.15 nM against human blood plasma DPP-IV and rat blood plasma DPP-IV, resp.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2003 ACS  
AN 2002:72089 CAPLUS  
DN 136:134678  
TI Preparation of [(2-hydroxyethylamino)cyclylamino]arylsulfonamides as .beta.3 adrenergic receptor agonists  
IN Sum, Fuk-Wah; Malamas, Michael Sotirios  
PA American Home Products Corporation, USA  
SO PCT Int. Appl., 104 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002006274	A1	20020124	WO 2001-US22379	20010716
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ,				

VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002028797 A1 20020307 US 2000-218589PP 20000717  
 US 6444685 B2 20020903 US 2001-904114 20010712  
 US 2003027795 A1 20030206 US 2000-218589PP 20000717  
 US 2002-205019 20020725  
 US 2000-218589PP 20000717  
 US 2001-904114 A320010712

OS MARPAT 136:134678

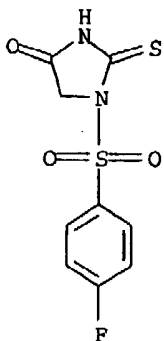
IT 391935-66-3P 391935-67-4P 391935-68-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(intermediate; prepn. of [(hydroxyethylamino)piperidiny]benzenesulfona  
 mides as .beta.3 adrenergic receptor agonists for treatment of  
 metabolic disorders related to insulin resistance or hyperglycemia)

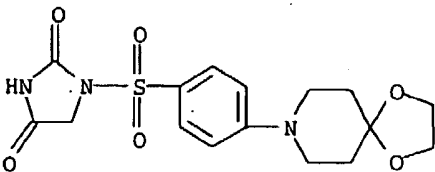
RN 391935-66-3 CAPLUS

CN 4-Imidazolidinone, 1-[(4-fluorophenyl)sulfonyl]-2-thioxo- (9CI) (CA INDEX  
 NAME)



RN 391935-67-4 CAPLUS

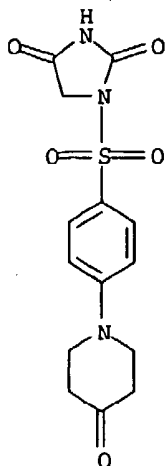
CN 2,4-Imidazolidinedione, 1-[[4-(1,4-dioxo-8-azaspiro[4.5]dec-8-  
 yl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 391935-68-5 CAPLUS

CN 2,4-Imidazolidinedione, 1-[[4-(4-oxo-1-piperidiny]phenyl)sulfonyl]- (9CI)  
 (CA INDEX NAME)





IT 391934-53-5P 391934-54-6P 391934-55-7P

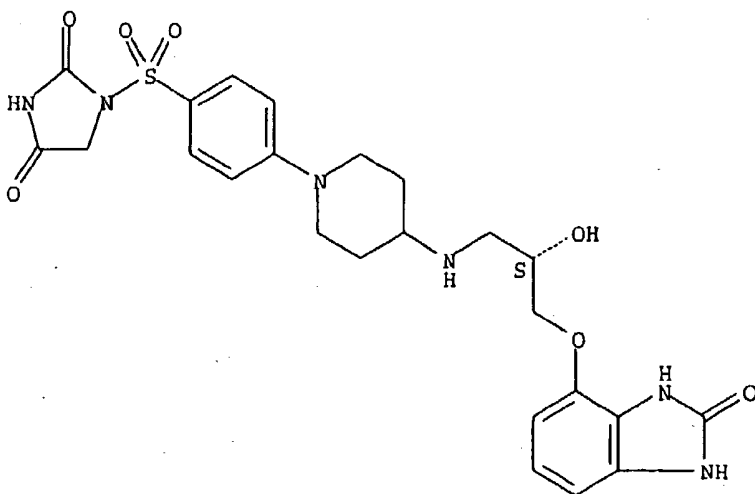
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(.beta.3 agonist; prepn. of [(hydroxyethylamino)piperidinyl]benzenesulfonamides as .beta.3 adrenergic receptor agonists for treatment of metabolic disorders related to insulin resistance or hyperglycemia)

RN 391934-53-5 CAPLUS

CN 2,4-Imidazolidinedione, 1-[[4-[[4-[[[(2S)-3-[(2,3-dihydro-2-oxo-1H-benzimidazol-4-yl)oxy]-2-hydroxypropyl]amino]-1-piperidinyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

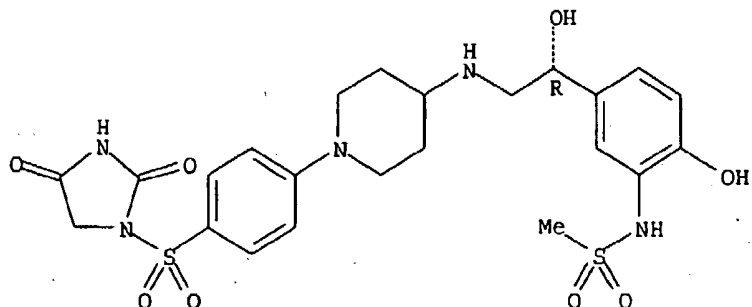
Absolute stereochemistry.



RN 391934-54-6 CAPLUS

CN Methanesulfonamide, N-[5-[(1R)-2-[[1-[4-[(2,4-dioxo-1-imidazolidinyl)sulfonyl]phenyl]-4-piperidinyl]amino]-1-hydroxyethyl]-2-

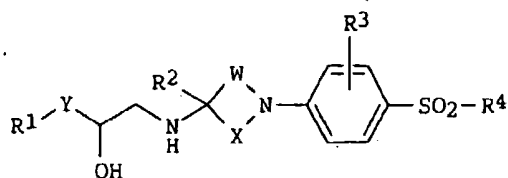
Absolute stereochemistry.



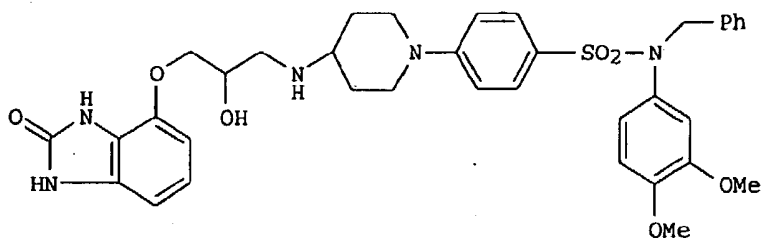
CN 2,4-Imidazolidinedione, 1-[[4-[4-[(2S)-2-hydroxy-2-[2-(trifluoromethyl)-4-thiazolyl]ethyl]amino]-1-piperidinyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

O=C1NC(=O)N(S(=O)(=O)c2ccc(cc2)N3CCCCC3NCNCC4=C(C=C(C=C4)S)N)C1=O

Patel



I



II

AB Title compds. I [wherein W = (CH<sub>2</sub>)<sub>m</sub>; X = (CH<sub>2</sub>)<sub>n</sub>; m = 1-3; n = 1-3; Y = OCH<sub>2</sub>, SCH<sub>2</sub>, or a bond; R<sub>1</sub> = Ph, heterocyclyl, or heteroaryl substituted with R<sub>5</sub> or R<sub>6</sub>; R<sub>2</sub> = H, CF<sub>3</sub>, alkyl, alkenyl, or alkynyl; R<sub>4</sub> = (cyclo)alkyl, alkenyl, alkynyl, OH, alkoxy, (hetero)aryloxy, (hetero)arylamino, alkoxy-carbonylalkyl, carboxyalkyl, aminosulfonylalkyl, alkylsulfonylalkyl, or (un)substituted Ph, heterocyclyl, heteroaryl, acylamino, amino, etc.; R<sub>3</sub>, R<sub>5</sub>, and R<sub>6</sub> = independently H, CF<sub>3</sub>, (cyclo)alkyl, alkenyl, alkynyl, aryl, heterocyclyl, heteroaryl, arylalkyl, halo, CN, NO<sub>2</sub>, OH, alkoxy, (hetero)aryloxy, alkylthio, arylthio, (hetero)arylamino, alkylcarbonylalkyl, aminosulfonylalkyl, arylsulfonylalkyl, etc.; or a pharmaceutically acceptable salt thereof] were prepd. as .beta.3 adrenergic receptor agonists. For example, sodium triacetoxyborohydride was added to a soln. of 4-[(2S)-3-amino-2-hydroxypropoxy]-1,3-dihydrobenzimidazol-2-one, N-benzyl-N-(3,4-dimethoxyphenyl)-4-(4-oxopiperidin-1-yl)sulfonamide, and AcOH in anhyd. DMF. The reaction was stirred overnight and then quenched with 50% H<sub>2</sub>O/satd. NaHCO<sub>3</sub> to give II. The latter exhibited selective binding to the .beta.3 adrenergic receptor (EC<sub>50</sub> 0.017 .mu.M) compared to the .beta.1 and .beta.2 adrenergic receptors. Thus, I are useful in treating metabolic disorders related to insulin resistance or hyperglycemia (typically assocd. with **obesity** or glucose intolerance), atherosclerosis, gastrointestinal disorders, neurogenetic inflammation, glaucoma, ocular hypertension, and frequent urination, and are particularly useful in the treatment of type II diabetes.

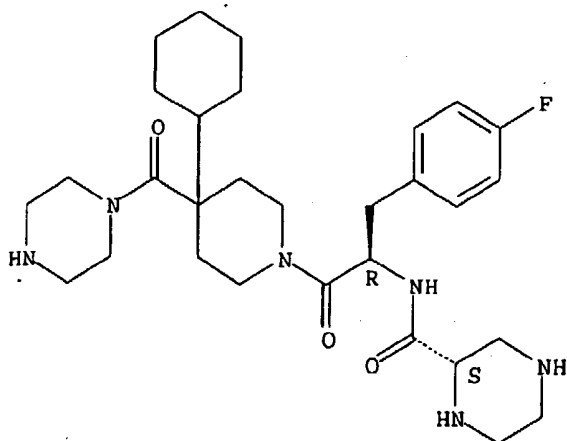
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:713326 CAPLUS  
DN 135:272990  
TI Preparation of piperazinylcarbonylaminomethylcarbonylpiperidines as melanocortin-4 receptor agonists  
IN Palucki, Brenda L.; Barakat, Khaled J.; Guo, Liangqin; Lai, Yingjie; Nargund, Ravi P.; Park, Min K.; Pollard, Patrick G.; Sebhat, Iyassu K.; Ye, Zhixiong  
PA Merck + Co., Inc., USA  
SO PCT Int. Appl., 220 pp.  
CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001070708	A1	20010927	WO 2001-US8935	20010320
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	RW:				
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	US 2002019523	A1	20020214	US 2001-812965	20010320
	US 6458790	B2	20021001		
				US 2000-191442PP	20000323
				US 2000-242265PP	20001020
	EP 1268449	A1	20030102	EP 2001-922501	20010320
	R:				
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				US 2000-191442PP	20000323
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OS	MARPAT 135:272990				
IT	363187-41-1P 363187-63-7P 363187-91-1P				
	363187-92-2P 363187-98-8P 363189-54-2P				
	363190-03-8P 363190-71-0P 363190-72-1P				
	363190-78-7P				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(prepn. of piperazinylcarbonylaminomethylcarbonylpiperidines as melanocortin-4 receptor agonists)				
RN	363187-41-1 CAPLUS				
CN	2-Piperazinecarboxamide, N-[(1R)-2-[4-cyclohexyl-4-(1-piperazinylcarbonyl)-1-piperidinyl]-1-[(4-fluorophenyl)methyl]-2-oxoethyl]-, (2S)- (9CI) (CA INDEX NAME)				

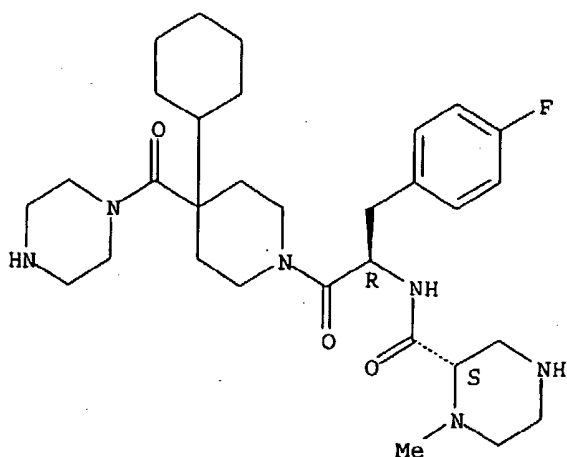
Absolute stereochemistry.



RN 363187-63-7 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-2-[4-cyclohexyl-4-(1-piperazinylcarbonyl)-1-piperidinyl]-1-[(4-fluorophenyl)methyl]-2-oxoethyl]-1-methyl-, (2S)- (9CI) (CA INDEX NAME)

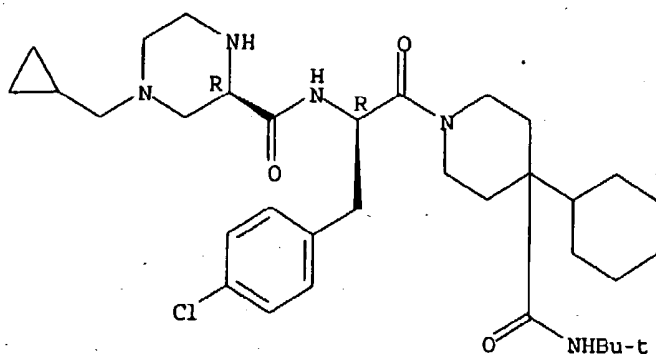
Absolute stereochemistry.



RN 363187-91-1 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[(1,1-dimethylethyl)amino]carbonyl]-1-piperidinyl]-2-oxoethyl]-4-(cyclopropylmethyl)-, (2R)- (9CI) (CA INDEX NAME)

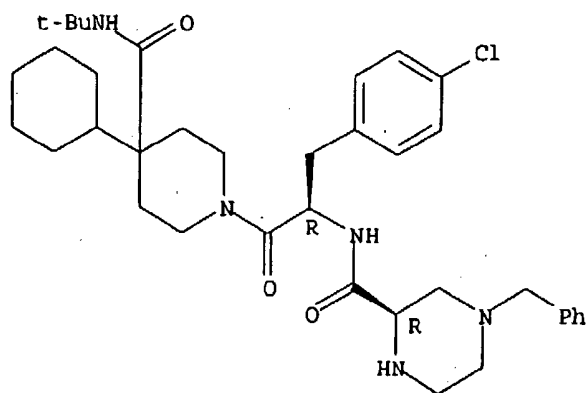
Absolute stereochemistry.



RN 363187-92-2 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[[[(1,1-dimethylethyl)amino]carbonyl]-1-piperidinyl]-2-oxoethyl]-4-(phenylmethyl)-, (2R)- (9CI) (CA INDEX NAME)

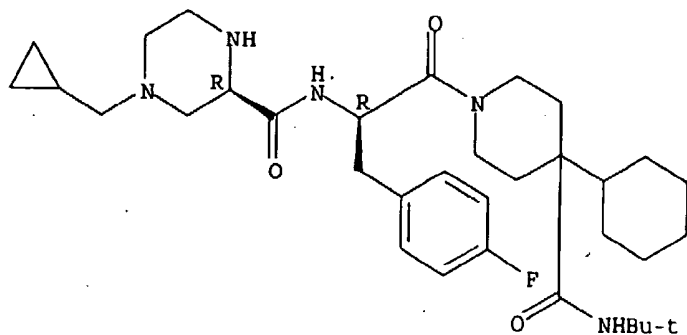
Absolute stereochemistry.



RN 363187-98-8 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-2-[4-cyclohexyl-4-[[[(1,1-dimethylethyl)amino]carbonyl]-1-piperidinyl]-1-[(4-fluorophenyl)methyl]-2-oxoethyl]-4-(cyclopropylmethyl)-, (2R)- (9CI) (CA INDEX NAME)

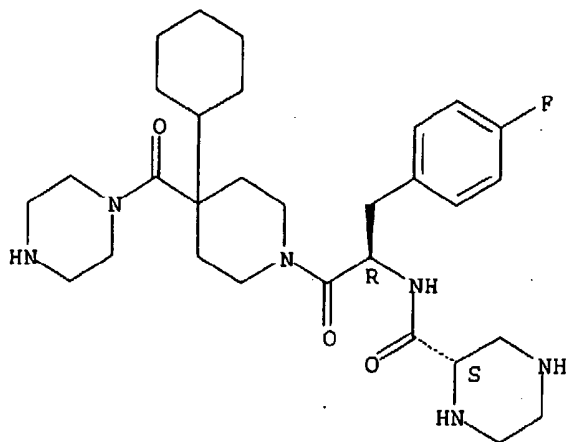
Absolute stereochemistry.



RN 363189-54-2 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-2-[4-cyclohexyl-4-(1-piperazinylcarbonyl)-1-piperidinyl]-1-[(4-fluorophenyl)methyl]-2-oxoethyl]-, dihydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

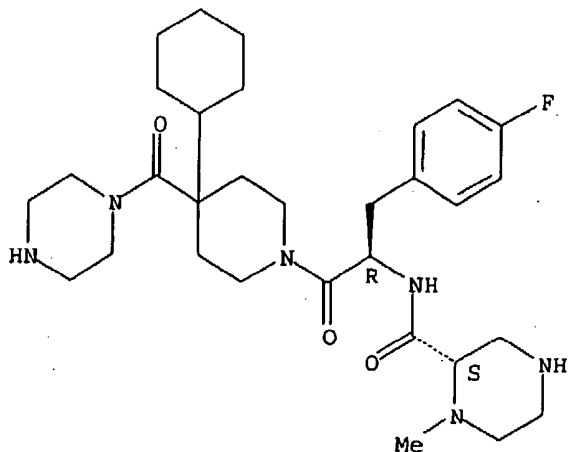


● 2 HCl

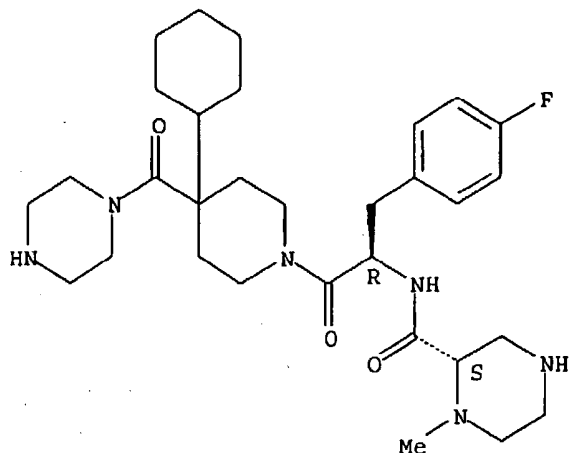
RN 363190-03-8 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-2-[4-cyclohexyl-4-(1-piperazinylcarbonyl)-1-piperidinyl]-1-[(4-fluorophenyl)methyl]-2-oxoethyl]-1-methyl-, dihydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



2 HCl

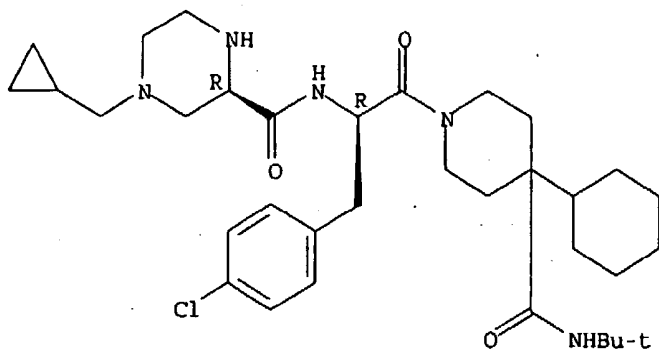


● 2 HCl

RN 363190-71-0 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[[[(1,1-dimethylethyl)amino]carbonyl]-1-piperidinyl]-2-oxoethyl]-4-(cyclopropylmethyl)-, dihydrochloride, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



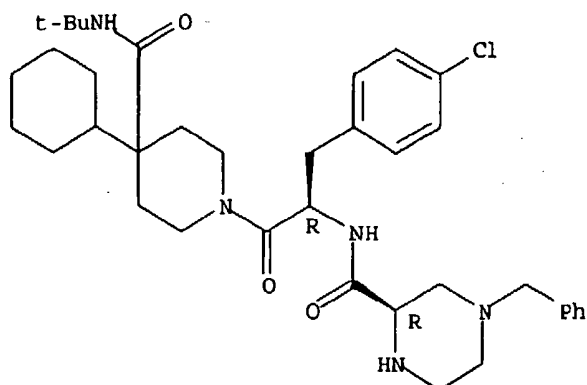
● 2 HCl

RN 363190-72-1 CAPLUS

CN 2-Piperazinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-cyclohexyl-4-[[[(1,1-dimethylethyl)amino]carbonyl]-1-piperidinyl]-2-oxoethyl]-4-(phenylmethyl)-, dihydrochloride, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



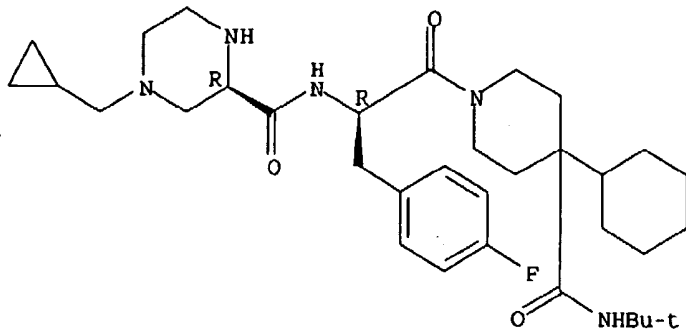


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RN 363190-78-7 CAPLUS

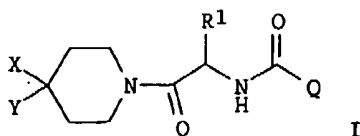
CN 2-Piperazinecarboxamide, N-[(1R)-2-[4-cyclohexyl-4-[[[(1,1-dimethylethyl)amino]carbonyl]-1-piperidinyl]-1-[(4-fluorophenyl)methyl]-2-oxoethyl]-4-(cyclopropylmethyl)-, dihydrochloride, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●2 HCl

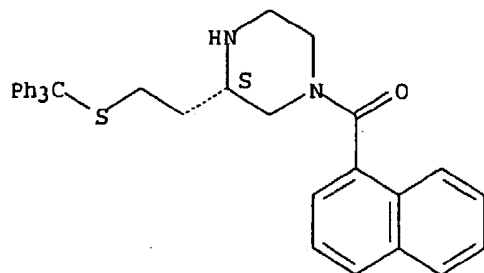
GI



Patel

&lt;6/23/2003&gt;

Absolute stereochemistry.



AB Prenyltransferase inhibitors are used for prepg. a medicine for treating pathologies resulting from prenylation of the .gamma. subunit of G protein. Said diseases comprise in particular diseases related to the following biol. functions or disorders: smell, taste, light perception, neurotransmission, neurodegeneration, endocrine and exocrine gland functioning, autocrine and paracrine regulation, blood pressure, embryogenesis, viral infection, immunol. functions, diabetes, and obesity.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2003 ACS

AN 1999:595178 CAPLUS

DN 131:243258

TI Preparation of thieno[2,3-c]pyrans and thieno[2,3-c]pyridines as modulators of protein tyrosine phosphatases (PTPases)

IN Moller, Niels Peter Hundahl; Andersen, Henrik Sune; Iversen, Lars Fogh; Olsen, Ole Hvilsted; Branner, Sven; Holsworth, Daniel Dale; Bakir, Farid; Judge, Luke Milburn; Axe, Frank Urban; Jones, Todd Kevin; Ripka, William Charles; Ge, Yu; Uyeda, Roy Teruyuki

PA Novo Nordisk A/S, Den.; Ontogen Corporation

SO PCT Int. Appl., 157 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT. 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9946267	A1	19990916	WO 1999-DK121	19990311
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
			DK 1998-344	A 19980312
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Patel

<6/23/2003>

CA 2323493	AA	19990916	CA 1999-2323493	19990311
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AU 9927135	A1	19990927	AU 1999-27135	19990311
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BR 9908726	A	20001121	BR 1999-8726	19990311
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EP 1080095	A1	20010307	EP 1999-907332	19990311
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, FI, RO				
			DK 1998-344	A 19980312
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US 6262044	B1	20010717	US 1999-268490	19990311
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JP 2002506072	T2	20020226	JP 2000-535645	19990311
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ZA 9902036	A	19991001	ZA 1999-2036	19990312
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NO 2000004527	A	20001107	NO 2000-4527	20000911
			DK 1998-344	A 19980312
			DK 1998-480	A 19980403
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			DK 1998-1385	A 19981028
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US 6410586	B1	20020625	US 2001-810266	20010316
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			DK 1998-480	A 19980403

US 2003069267 A1 20030410

US 1998-82915P P 19980424  
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 US 1998-93525P P 19980721  
 DK 1998-1385 A 19981028  
 US 1998-108747PP 19981117  
 DK 1998-1612 A 19981207  
 US 1999-268490 A319990311  
 US 2002-158464 20020528  
 DK 1998-344 A 19980312  
 DK 1998-480 A 19980403  
 US 1998-82915P P 19980424  
 DK 1998-938 A 19980715  
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 DK 1998-1385 A 19981028  
 US 1998-108747PP 19981117  
 DK 1998-1612 A 19981207  
 US 1999-268490 A319990311  
 US 2001-810266 A320010316

## PATENT FAMILY INFORMATION:

PAN 1999:595124

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9946236	A1	19990916	WO 1999-DK122	19990311
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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			US 1998-82914P	P 19980424
			DK 1998-940	A 19980715
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AU 9927136	A1	19990927	AU 1999-27136	19990311
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FAN 1999:595127				
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EP 1080068	A1	20010307	EP 1999-907336	19990312
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FAN 1999:595137

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WO 9946244	A1	19990916	WO 1999-DK123	19990311
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG DK 1998-343 A 19980312 DK 1998-473 A 19980403 DK 1998-939 U 19980715 DK 1998-1561 U 19981126 AU 9927137 A1 19990927 DK 1998-343 A 19980312 DK 1998-473 A 19980403 WO 1999-DK123 W 19990311 EP 1062204 A1 20001227 EP 1999-907334 19990311 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI DK 1998-343 A 19980312 DK 1998-473 A 19980403 DK 1998-939 A 19980715 DK 1998-1561 A 19981126 WO 1999-DK123 W 19990311 US 2002002199 A1 20020103 US 1999-266395 19990311 DK 1998-343 A 19980312 DK 1998-473 A 19980403 US 1998-82368P P 19980420 DK 1998-939 A 19980715 US 1998-93620P P 19980721 DK 1998-1561 A 19981126 US 1999-115528PP 19990112 JP 2002506058 T2 20020226 JP 2000-535625 19990311 DK 1998-343 A 19980312 DK 1998-473 A 19980403 DK 1998-939 A 19980715 DK 1998-1561 A 19981126 WO 1999-DK123 W 19990311 ZA 9902032 A 19990927 DK 1998-343 A 19980312 US 2002165398 A1 20021107 US 2002-127043 20020419 DK 1998-343 A 19980312 DK 1998-473 A 19980403 US 1998-82368P P 19980420 DK 1998-939 A 19980715 US 1998-93620P P 19980721				

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APPLICATION NO. DATE

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DK 1998-346

A 19980312

OS MARPAT 131:243258

IT 243968-00-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; prepn. of thieno[2,3-c]pyrans and thieno[2,3-c]pyridines as modulators of protein tyrosine phosphatases (PTPases))

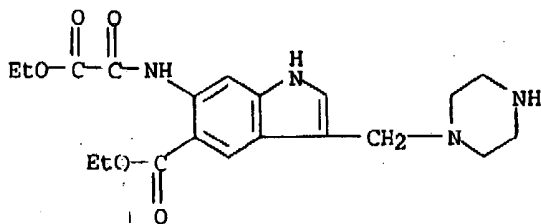
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CN 1H-Indole-5-carboxylic acid, 6-[(ethoxyoxoacetyl)amino]-3-(1-piperazinylmethyl)-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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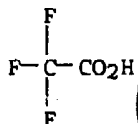
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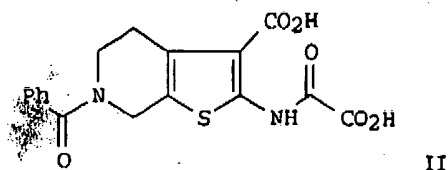
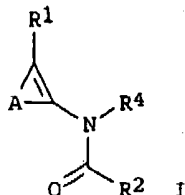
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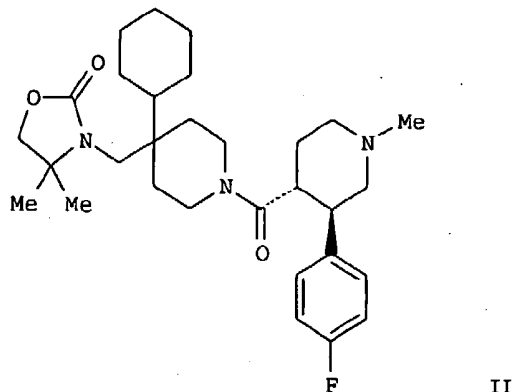
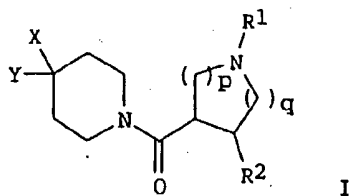
GI



AB Thieno[2,3-c]pyrans and thieno[2,3-c]pyridines (I) [A = atoms to complete various 5/5 and 5/6 bicyclic heterocycles, e.g., thienopridines,

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&lt;6/23/2003&gt;



AB Certain novel 4-substituted N-acylated piperidine derivs., specifically I, are agonists of the human melanocortin receptor(s) and, in particular, are selective agonists of the human melanocortin-4 receptor (MC-4R) [wherein:  $p = 1$  or  $2$ ;  $q = 0, 1$ , or  $2$ ;  $n = 0, 1$ , or  $2$ ;  $R^1 = H$ , amidino, alkylimino, (un)substituted alkyl,  $(CH_2)_n-G_1$  [ $G_1 =$  (un)substituted cycloalkyl, Ph, naphthyl, or heteroaryl];  $R^2 =$  (un)substituted Ph, naphthyl, or heteroaryl;  $X =$  alkyl,  $(CH_2)_n-G_2$  [ $G_2 =$  (un)substituted cycloalkyl, Ph, naphthyl, heteroaryl, heterocyclyl, cyano,  $CONH_2$ ,  $CO_2H$ , OH,  $NH_2$ , and various derivs.];  $Y =$  (un)substituted alkyl, alkenyl,  $(CH_2)_n-G_3$  [ $G_3 =$  (un)substituted cycloalkyl, Ph, naphthyl, heteroaryl, or heterocyclyl]; including pharmaceutically acceptable salts]. They are therefore useful for the treatment, control, or prevention of diseases and disorders responsive to the activation of MC-4R, such as obesity, diabetes, sexual dysfunction, including erectile dysfunction and female sexual dysfunction. Approx. 200 invention compds. I and approx. 80 intermediates were prepd. For instance, amidation of (+-)-trans-1-(tert-butoxycarbonyl)-3-(4-fluorophenyl)piperidine-4-carboxylic acid with 4-cyclohexyl-4-[(4,4-dimethyl-2-oxo-1,3-oxazolidin-3-yl)methyl]piperidine HCl, followed by N-deprotection with removal of BOC using HCl, and reductive N-methylation using paraformaldehyde and  $NaBH_3CN$ , gave title compd. (+-)-trans-II, isolated as the trifluoroacetate salt. Representative compds. I bound to cloned human MC-4R in vitro with  $IC_{50}$  values generally below 2  $\mu M$ , and also acted as agonists toward cloned human MCR in a functional assay with  $EC_{50}$  values less than 1  $\mu M$ .

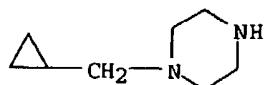
L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS  
 AN 2001:833094 CAPLUS  
 DN 135:371639  
 TI Preparation of alkylamine derivatives of dihydropyridine as NPY antagonists

Patel

&lt;6/23/2003&gt;

IN Poindexter, Graham S.; Bruce, Marc; Sit, Sing-Yuen; Martin, Scott W.  
PA Bristol-Myers Squibb Company, USA  
SO PCT Int. Appl., 49 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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	US 6479482	B2	20021112	US 2001-852983	20010510
				US 2000-202901PP	20000510
OS	MARPAT 135:371639				
IT	373608-42-5P				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(prepn. of alkylamine derivs. of dihydropyridine as NPY antagonists)				
RN	373608-42-5	CAPLUS			
CN	Piperazine, 1-(cyclopropylmethyl)-, dihydrochloride (9CI)	(CA INDEX NAME)			



●2 HCl

GI

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<6/23/2003>

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NEWS 25 Feb 26 PCTFULL now contains images  
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structures available in REGISTRY  
NEWS 30 Apr 11 Display formats in DGENE enhanced  
NEWS 31 Apr 14 MEDLINE Reload  
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 33 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS  
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 35 Apr 28 RDISCLOSURE now available on STN  
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR  
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 38 May 15 Supporter information for ENCOMPAT and ENCOMPLIT updated  
NEWS 39 May 16 CHEMREACT will be removed from STN  
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA  
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and

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<6/23/2003>

right truncation  
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 43 Jun 06 PASCAL enhanced with additional data  
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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